Rotations

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Rotations

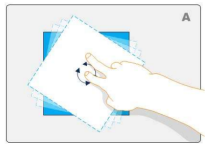


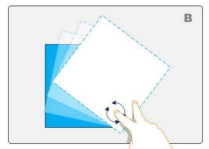

Rotations

A **rotation** (turn) moves a figure around a point. This point can be the index finger or it can be some other point.

This point is called the **point of rotation**.

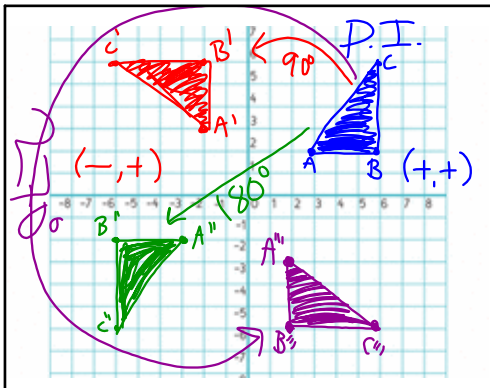
Direction ; Degree
Every quadrant - 90°





Rotations

The person's finger is the point of rotation for each figure.



Rotations

The following descriptions describe the same rotation.
What do you notice?
Can you give your own example?

220°*clockwise* 140°*counterclockwise*	85°*clockwise* 275°*counterclockwise*
240°*clockwise* 120°*counterclockwise*	115°*clockwise* 245°*counterclockwise*
90°*clockwise* 270°*counterclockwise*	60°*clockwise* 300°*counterclockwise*

Math Practice

Apr 11-9:39 AM

No direction = counter Clockwise

Rotations

The sum of the two rotations (clockwise and counterclockwise) is 360 degrees.
If you have one rotation, you can calculate the other by subtracting from 360.

220° *clockwise*	85° *clockwise*
140° *counterclockwise*	275° *counterclockwise*
360° *sum*	360° *sum*
240° *clockwise*	115° *clockwise*
120° *counterclockwise*	245° *counterclockwise*
360° *sum*	360° *sum*
90° *clockwise*	60° *clockwise*
270° *counterclockwise*	300° *counterclockwise*
360° *sum*	360° *sum*